

PATENT ABSTRACTS OF JAPAN

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(21)Application number : **03-215925** (71)Applicant : **TOAGOSEI CHEM IND CO LTD**

(22)Date of filing : **01.08.1991** (72)Inventor : **KATO YUKARI
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(54) COMPOSITION FOR ORAL CAVITY

(57)Abstract:

PURPOSE: To obtain a composition for oral cavity not causing change of properties such as separation and precipitation of component and change of properties even after the elapse of a long-period of time since production thereof having no feeling of physical disorder in the mouth in use, containing a specific antimicrobial phosphate.

CONSTITUTION: A compound containing 0.01-10wt.%, preferably 0.05-1.0wt.%, based on the whole amount of the composition, of an antimicrobial phosphate shown by the formula (A is at least one or more kinds of ions selected from the group consisting of alkali metal ion, ammonium ion and hydrogen ion; X and Y are positive number to satisfy $X+Y=1$). The average particle diameter of the phosphate is preferably $\leq 10\mu\text{m}$, especially $\leq 5\mu\text{m}$. The phosphate has excellent compatibility with abradant, forming agent, forming auxiliary, wetting agent, binder and sweetener, acts as an abradant when blended in the above- mentioned range and exhibits abrading effects on the fine parts of the oral cavity because of very small particles.

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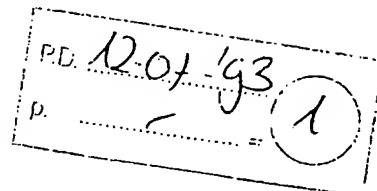
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AN - 119:15150 CA
 TI - Dentifrices containing bactericidal metal phosphates
 IN - Kato, Yukari; Sugiura, Koji; Kato, Hideki
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FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN	JP5032530	A	19930209	JP 1991-215925	19910801
AB	Dentifrices, useful for treatment of gingivitis, contain bactericidal $\text{Ag}_x\text{AyZr}_2(\text{PO}_4)_3$ ($A = \text{alkali metal, ammonium, H; } x > 0; y > 0$ $x + y = 1$). The bactericides show good compatibility with other ingredients and the dentifrices are stable for a long time. CaCO_3 40.0, $\text{Ag}_0.2\text{Na}_0.8\text{Zr}_2(\text{PO}_4)_3$ 0.5, Na lauryl sulfate 1.0, sorbitol 10.0, glycerin 10.0, carrageenan 1.0, Na saccharin 0.1, flavor 0.5, and H_2O 36.9 g were mixed to give a toothpaste, which completely inhibited Streptococcus mutans.				
ST	dentifrice bactericide silver zirconium phosphate; gingivitis treatment silver ---zirconium--- phosphate; Streptococcus inhibition silver zirconium phosphate				
IT	Dentifrices (bactericidal silver zirconium phosphates in, for gingivitis treatment)				
IT	Streptococcus mutans (inhibition of, by silver zirconium phosphate, dentifrices contg., for gingivitis treatment)				
IT	Bactericides, Disinfectants, and Antiseptics (silver zirconium phosphates as, dentifrices contg., for gingivitis treatment)				
IT	Gingiva (disease, gingivitis, treatment of, silver zirconium phosphate -contg. dentifrices for)				
IT	148082-85-3 RL: BIO (Biological study) (dentifrices contg., as bactericide, for gingivitis treatment)				

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